

FIG 1

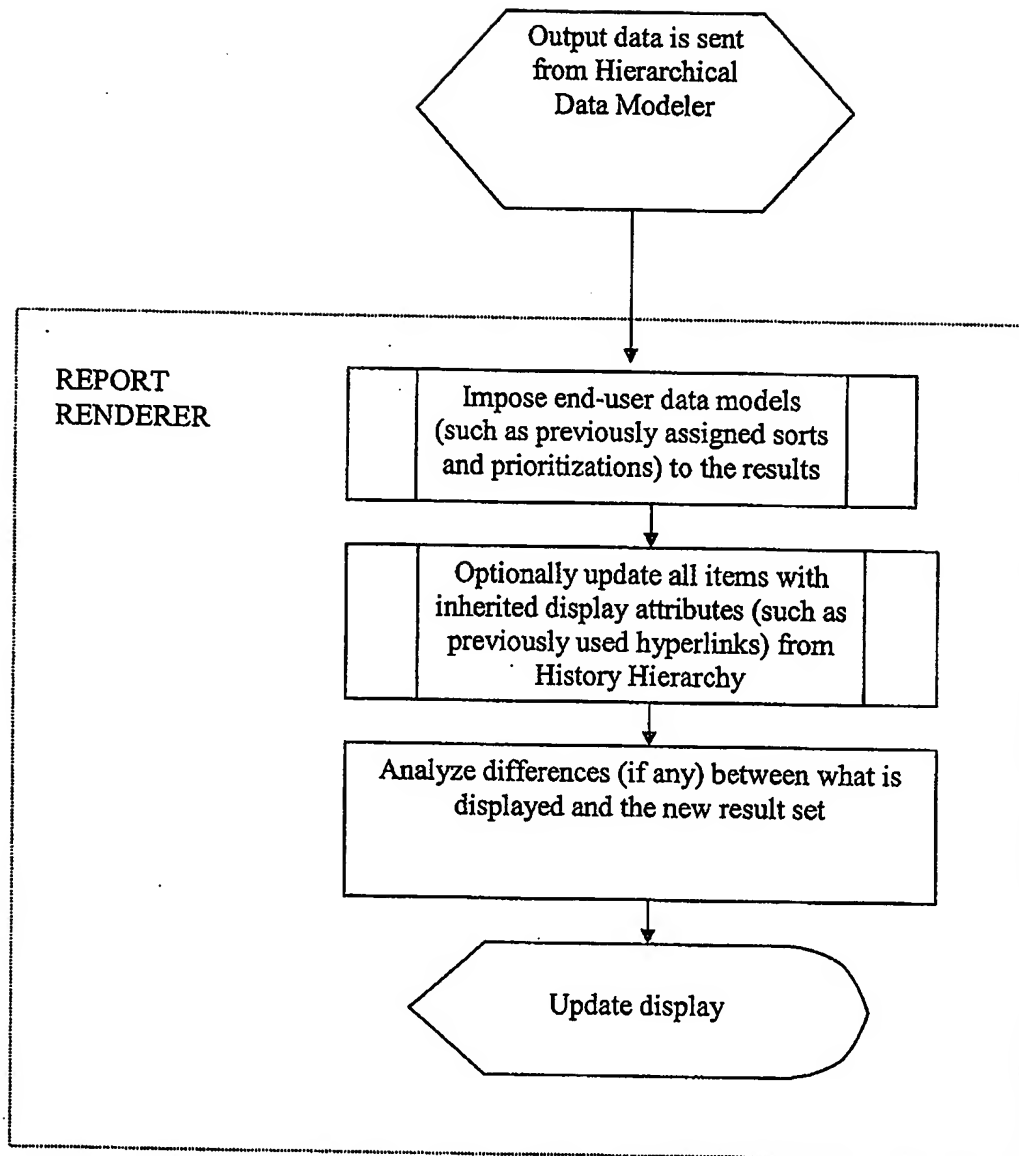


FIG 2

SEARCH ENGINE SUBMITTER

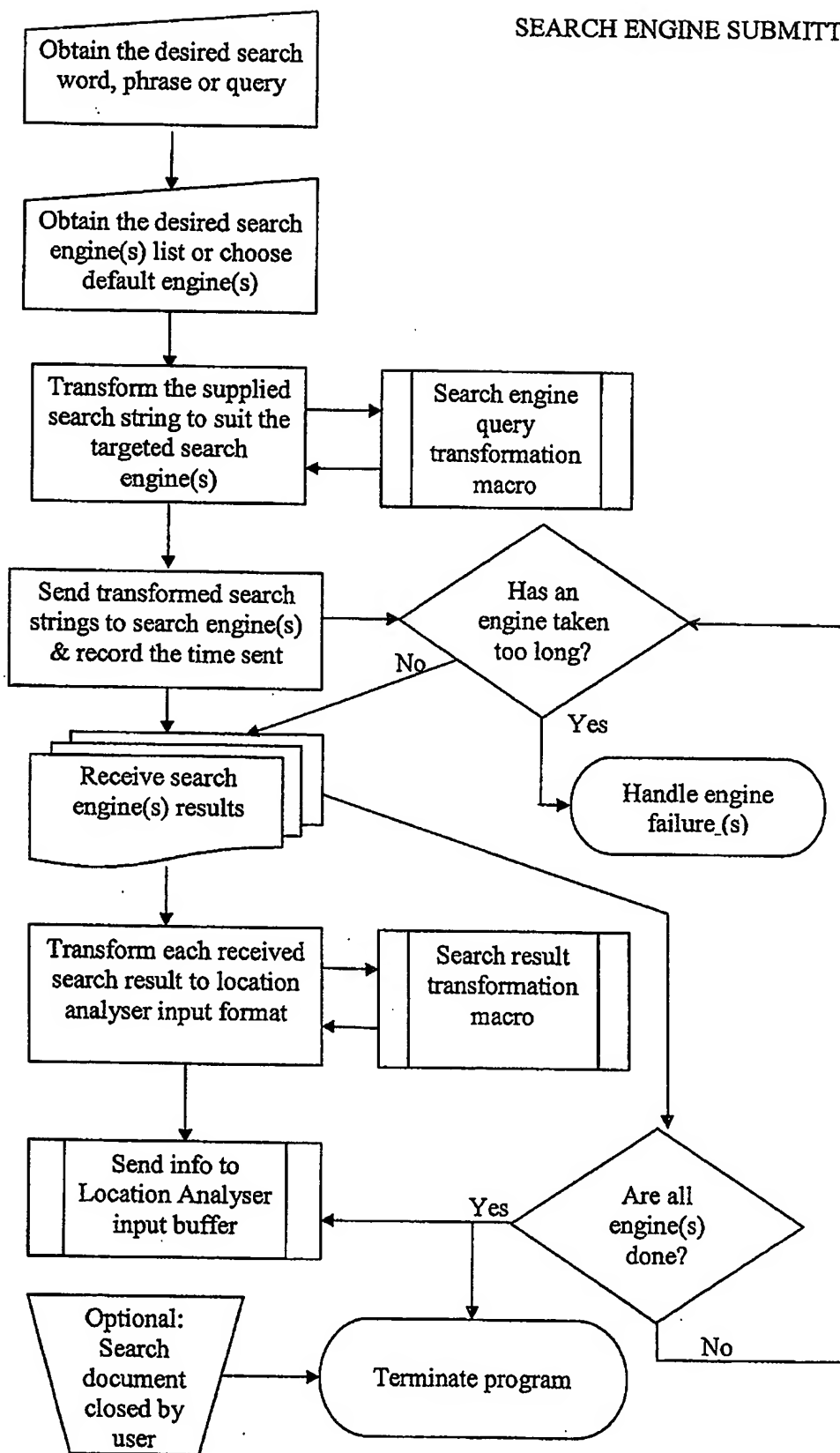
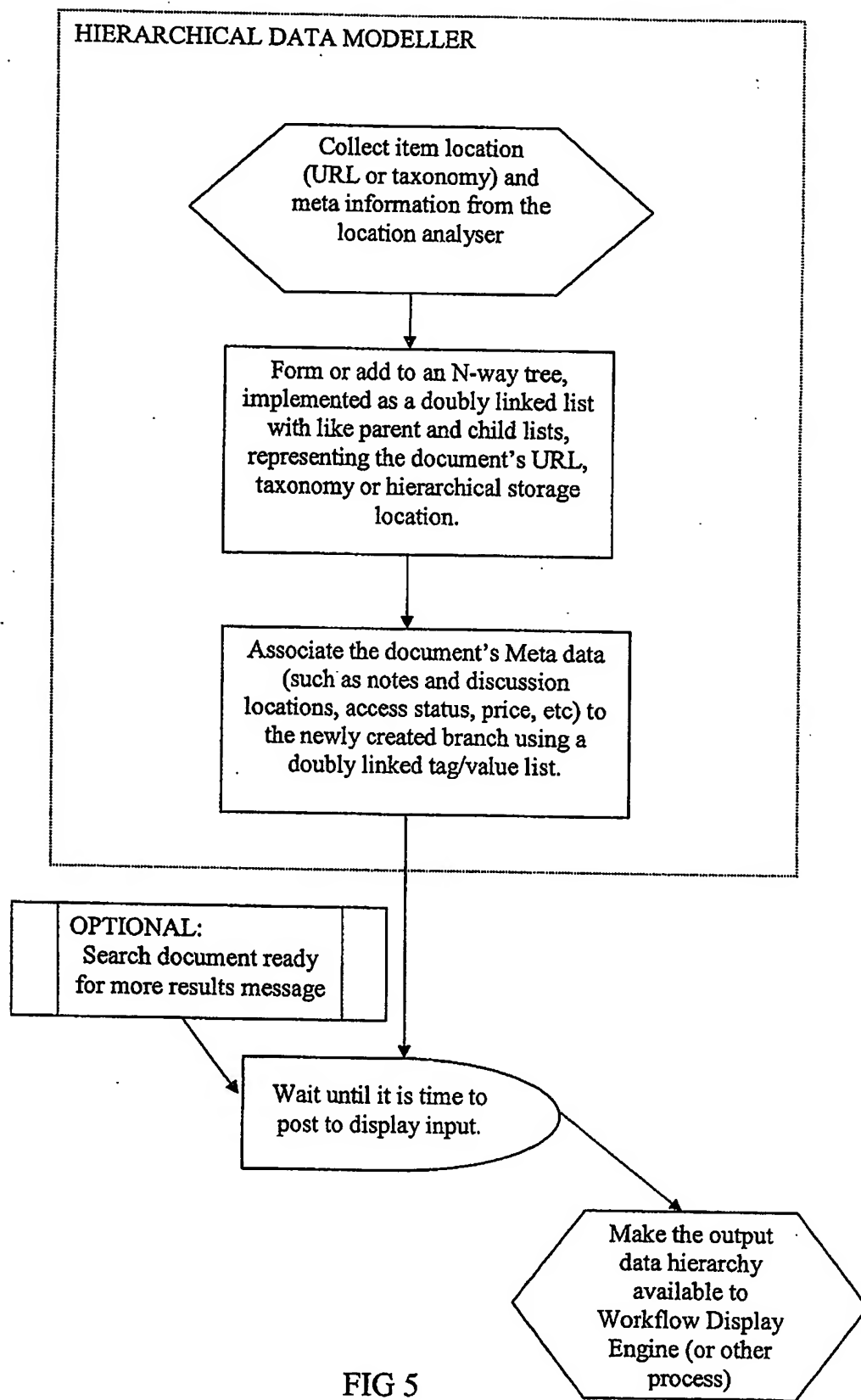


FIG 3

```

graph TD
    Start([Get a query result from input queue]) --> D1{Does the query result indicate no more search results?}
    D1 -- Yes --> End([Terminate analysis])
    D1 -- No --> D2{Optional: Is the user allowed access to this item?}
    D2 -- No --> Start
    D2 -- Yes --> D3{Do author, title, date or other criteria match a previous entry, such as in Hierarchical Data Modeller}
    D3 -- Yes --> D4{Optional: Previously built data hierarchy(s), such as a past search result}
    D3 -- No --> Process[Send data to Hierarchical Data Modeller to add or subtract location/taxonomy & details to the output data hierarchy, + associate or disassociate other information with this location]
    D4 --> D1
    D4 --> D2
    D4 --> End
    Process --> End
    EndEvent[/OPTIONAL: Search document closed by user/] --> End
  
```

FIG 4



HIERARCHICAL SEARCH RESULT WORKFLOW (Before end-user workflow commences.)

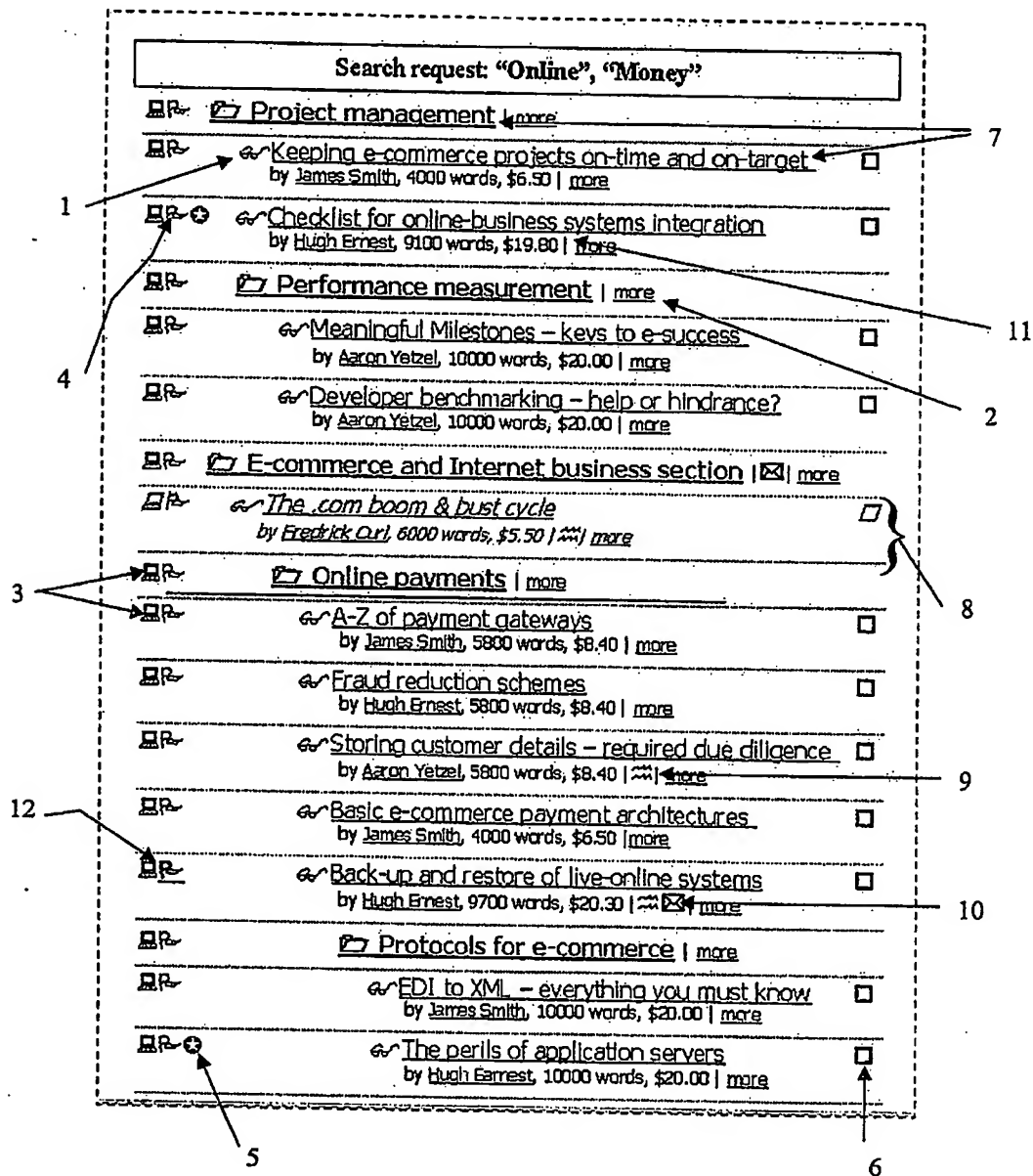


FIG 6

HIERARCHICAL SEARCH RESULT WORKFLOW With irrelevant entries quickly collapsed

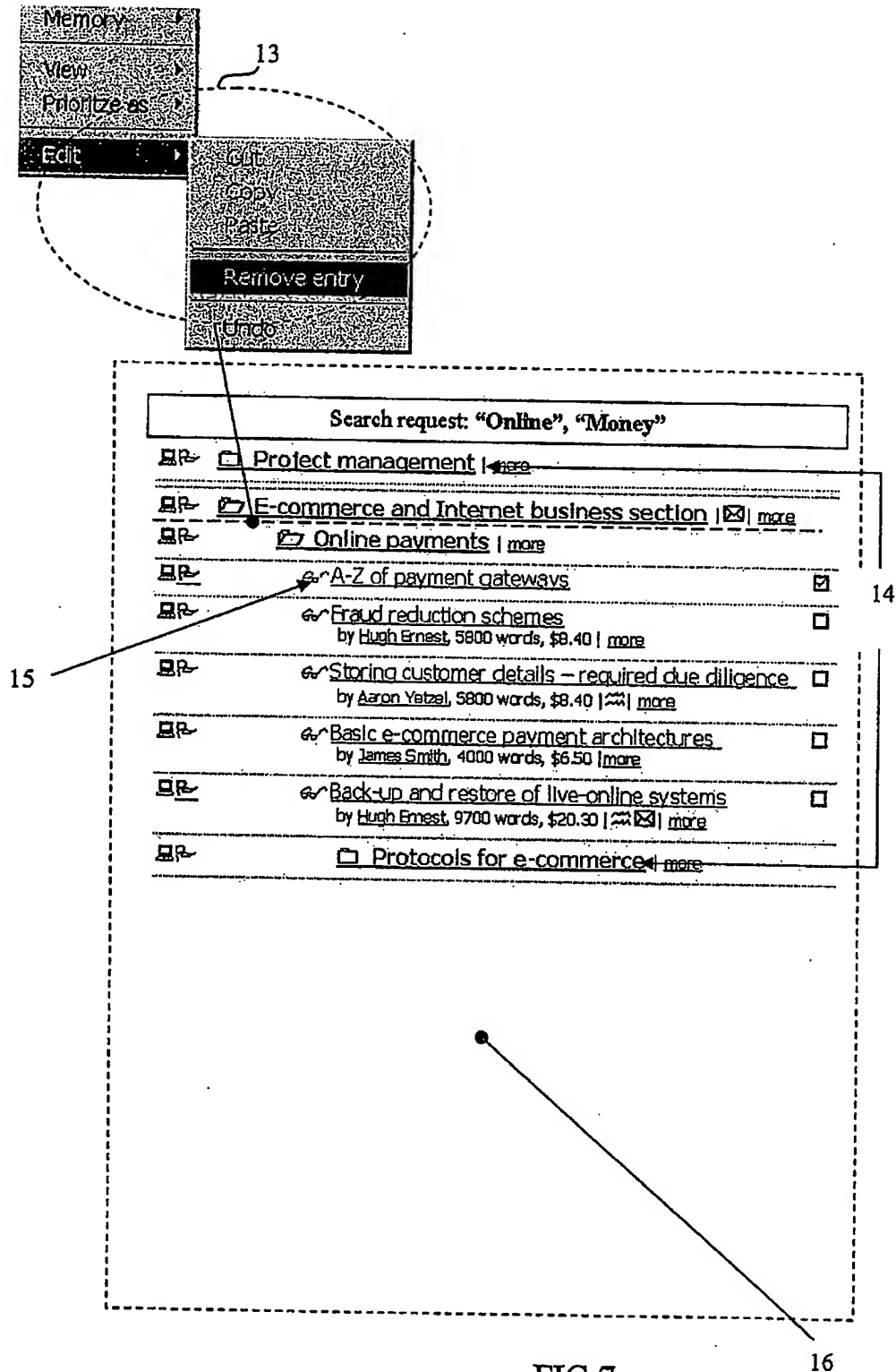


FIG 7

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HIERARCHICAL SEARCH RESULT WORKFLOW With relevant summary and details exposed

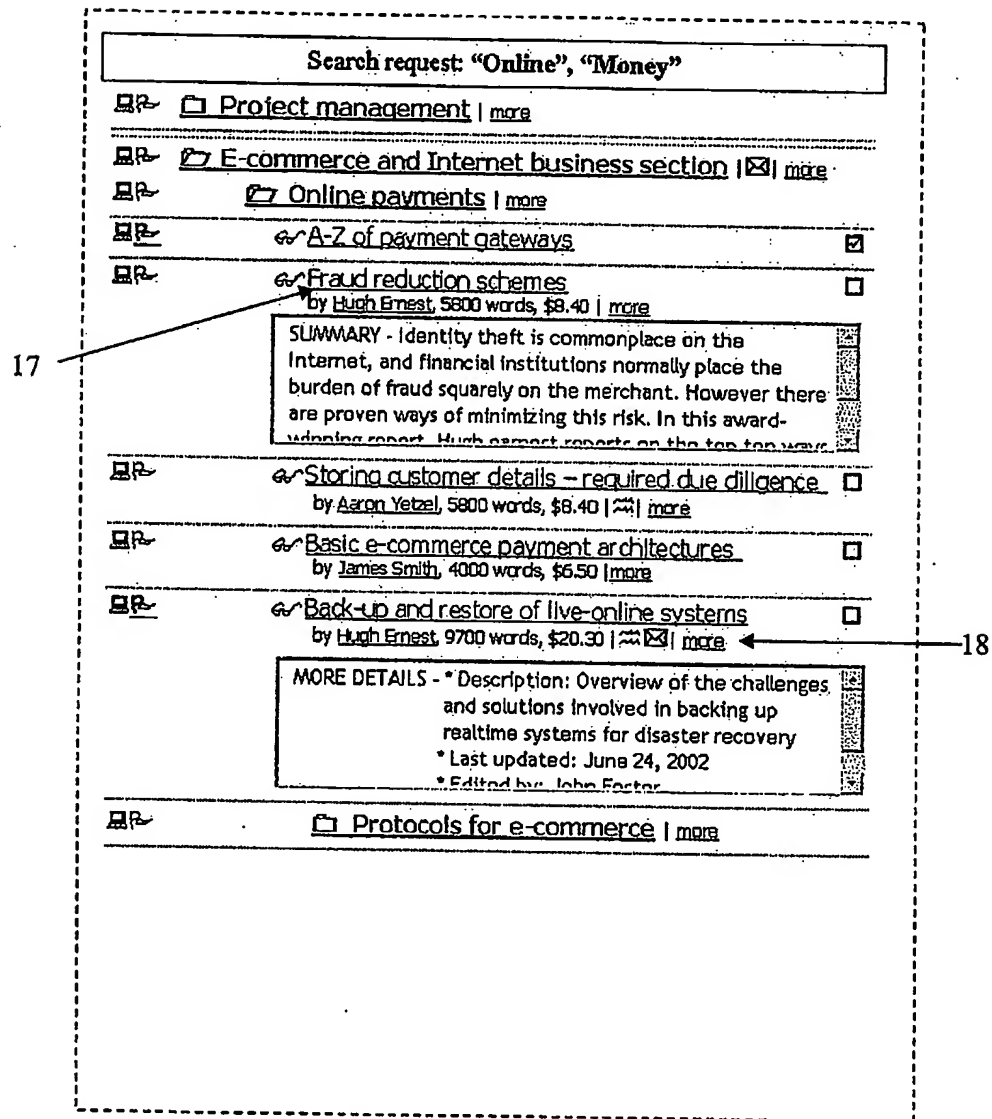


FIG 8

HIERARCHICAL SEARCH RESULT WORKFLOW With associated notes and comments exposed

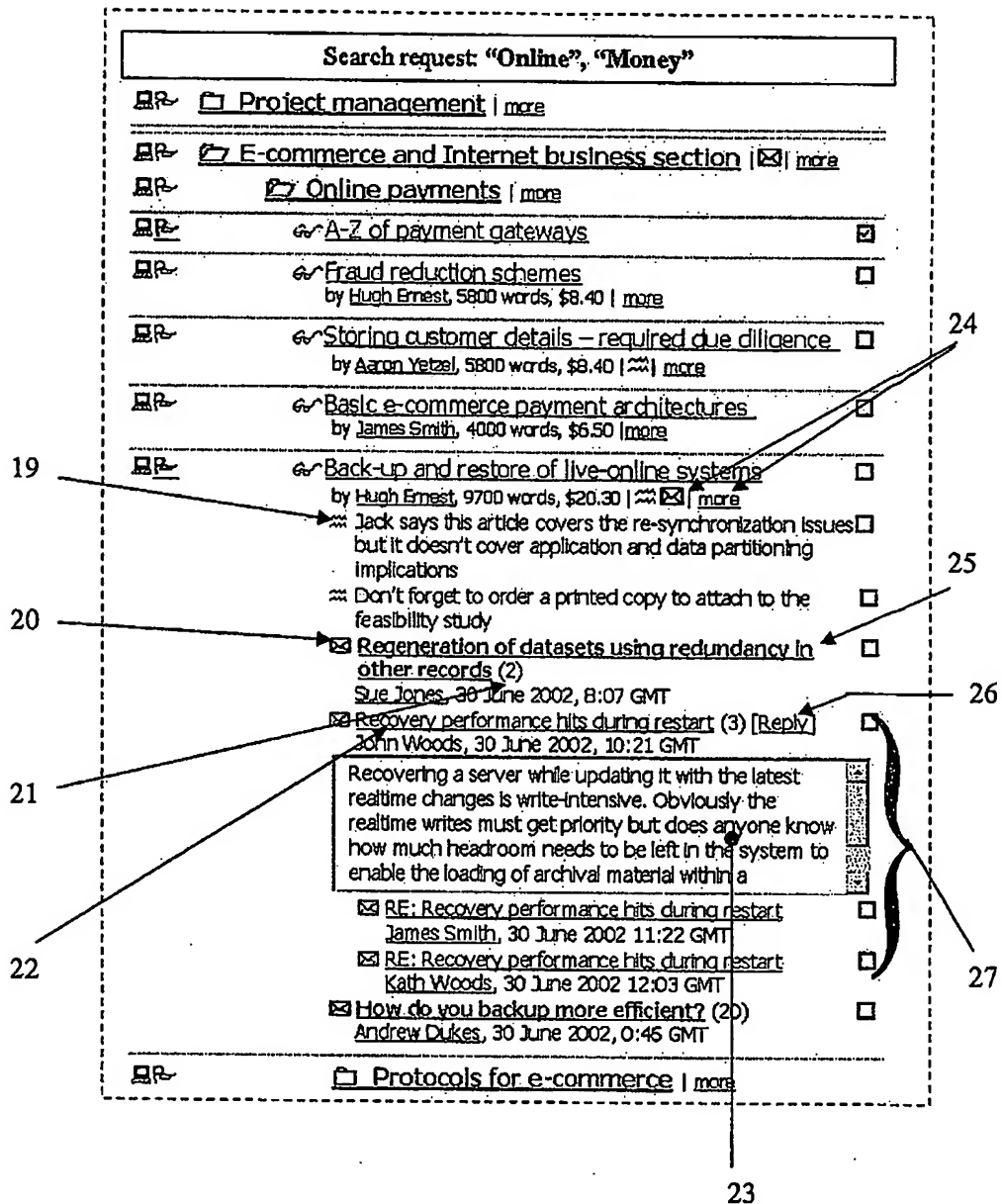


FIG 9

HIERARCHICAL SEARCH RESULT WORKFLOW With additional hierarchies sorted by Author

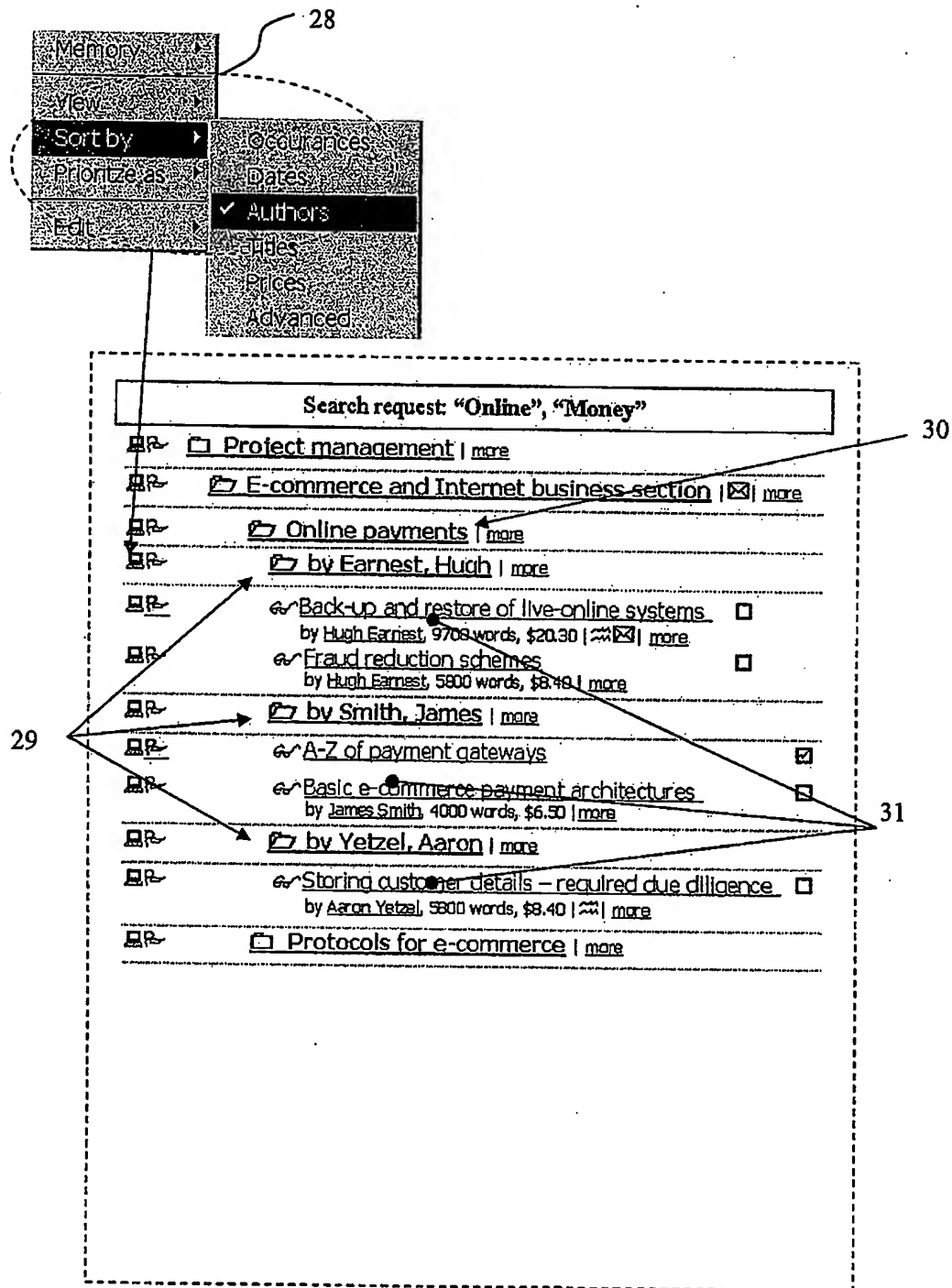


FIG 10

HIERARCHICAL SEARCH RESULT WORKFLOW

With additional prioritization of
folders sorted by Author

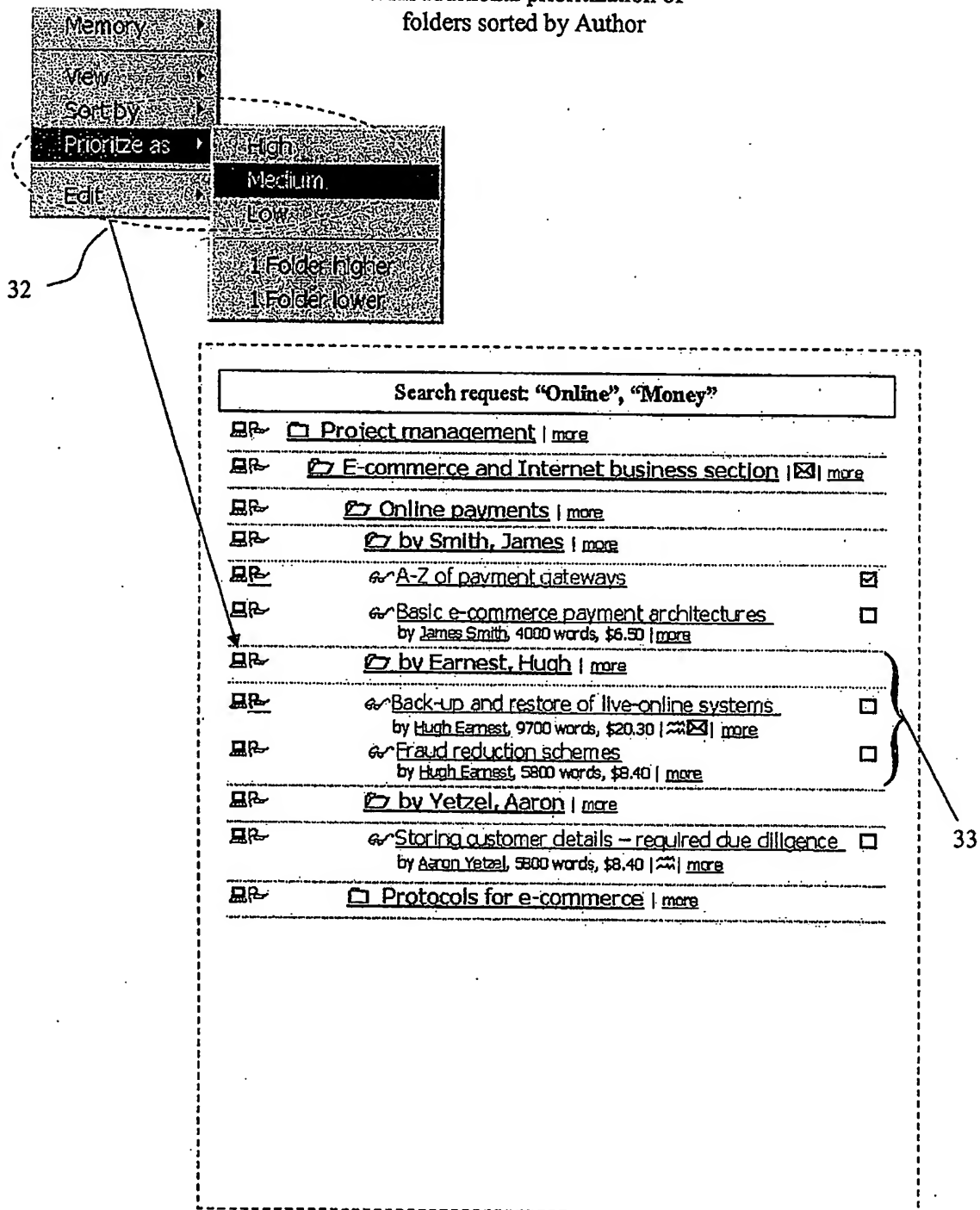


FIG 11

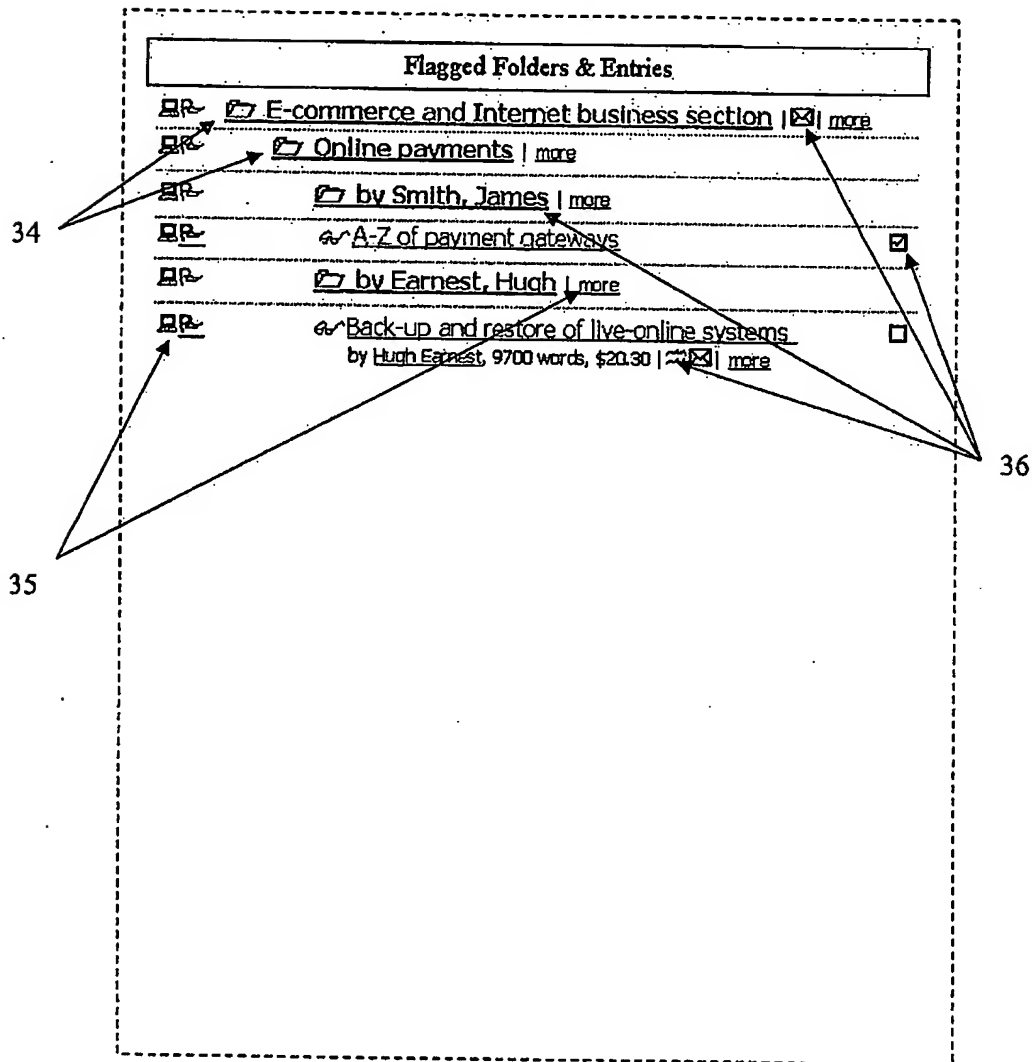
HIERARCHICAL
FLAGGED ENTRY/FOLDER WORKFLOW

FIG 12

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